

Datasheet for ABIN7554965  
**PIGN Protein (AA 1-931) (His tag)**



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## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | PIGN  |
| Protein Characteristics:      | AA 1-931                                    |
| Origin:                       | Human                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This PIGN protein is labelled with His tag. |
| Application:                  | SDS-PAGE (SDS), Western Blotting (WB)       |

## Product Details

|           |   |
|-----------|---|
| Purpose:  | Custom-made recombinat PIGN Protein expressed in mammalien cells.   |
| Sequence: | <p>MLLFFTLGILL IHVFFASIF DIYFTSPLVH GMTPQFTPLP PPARRLVLFV ADGLRADALY<br/>           ELDENGNSRA PFIRNIIMHE GSWGISHTRV PTESRPGHVA LIAGFYEDVS AVAKGWKENP<br/>           VEFDSLFINES KYTWSWGSPD ILPMFAKGAS GDHVYTYSD AKREDFGAQD ATKLDTWVFD<br/>           NVKDFFHAR NNQSLFSKIN EEKIVFFLHL LGIDTNGHAH RPSSRDYKHN IKKVDDGVKE<br/>           IVSMFNHFYG NDGKTTFIFT SDHGMDWGS HGAGHPSETL TPLVTWGAGI KYPQRVSAQQ<br/>           FDDAFLKEWR LENWKRLDVN QADIAPLMTS LIGVPFPLNS VGILPVDYLN NTDLFKAESM<br/>           FTNAVQILEQ FKVKMTQKKE VTLPFLFTPF KLLSDSKQFN ILRKARSYIK HRKFDEVVSL<br/>           CKELIHLALK GLSYYHTYDR FFLGVNVVIG FVGWISYASL LIIKSHSNLI KGVSKEVKKP<br/>           SHLLPCSFVA IGILVAFFLL IQACPWTYYV YGLLPLPIWY AVLREFQVIQ DLVSVLTYP<br/>           LSHFVGYLLA FTLGIEVLVL SFFYRYMLTA GLTAFAAWPF LTRLWTRAKM TSLSWTFFSL<br/>           LLAVFPLMPV VGRKPDISLV MGAGLLVLLL SLCVVTSLMK RKDSFIKEEL LVHLLQVLST</p> |

## Product Details

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VLSMYVVYST QSSLLRKQGL PLMNQIISWA TLASSLVVPL LSSPVLQRL FSILLSLMST  
YLLLSTGYEA LFPLVLSCLM FVWINIEQET LQQSGVCKQ KLTSIQFSYN TDITQFRQLY  
LDDIRRAFFL VFFLVTAFFG TGNIASINSF DLASVYCFLT VFSPFMMGAL MMWKILIPFV  
LVMCAFEAVQ LTTQLSSKSL FLIVLVISDI MALHFFFLVK DYGSWLDIGT SISHYVIVMS  
MTIFLVFLNG LAQLLTTKKL RLCGKPKSHF M

**Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

PIGN

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### Alternative Name:

PIGN ([PIGN Products](#))

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### Background:

GPI ethanolamine phosphate transferase 1 (EC 2.-.-) (MCD4 homolog) (Phosphatidylinositol-glycan biosynthesis class N protein) (PIG-N),FUNCTION: Ethanolamine phosphate transferase involved in glycosylphosphatidylinositol-anchor biosynthesis. Transfers ethanolamine phosphate to the first alpha-1,4-linked mannose of the glycosylphosphatidylinositol precursor of GPI-anchor (By similarity). May act as suppressor of replication stress and chromosome

## Target Details

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missegregation. {ECO:0000250, ECO:0000269|PubMed:23446422}.

Molecular Weight: 105.8 kDa

UniProt: [O95427](#)

Pathways: [Inositol Metabolic Process](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months